

TL-2000

Distributed by Aiphone

Telephone Entry System with Access Control
INSTALLATION AND OPERATION MANUAL

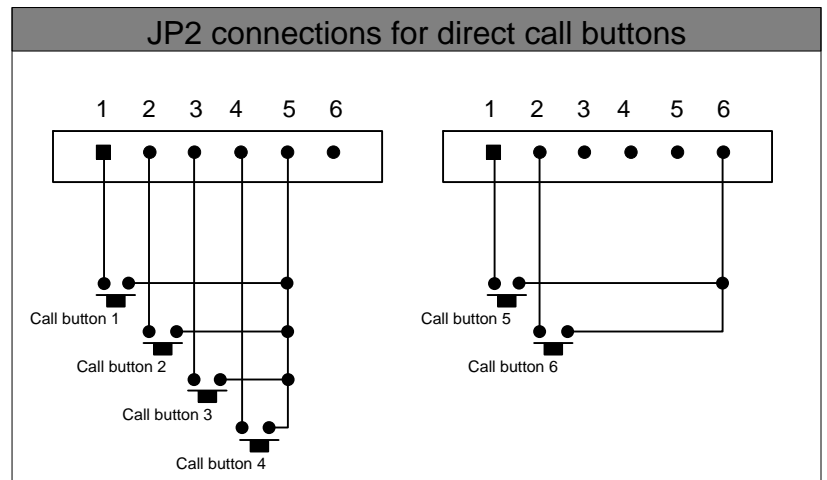
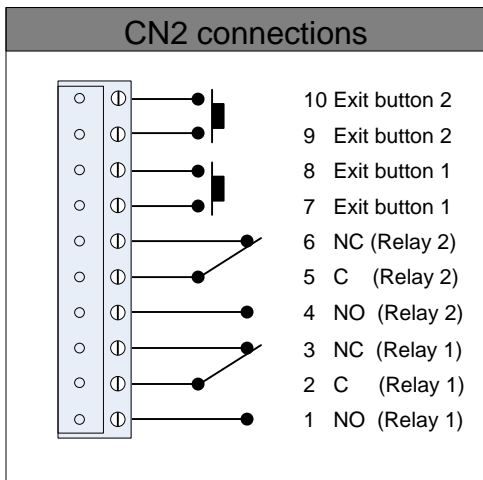
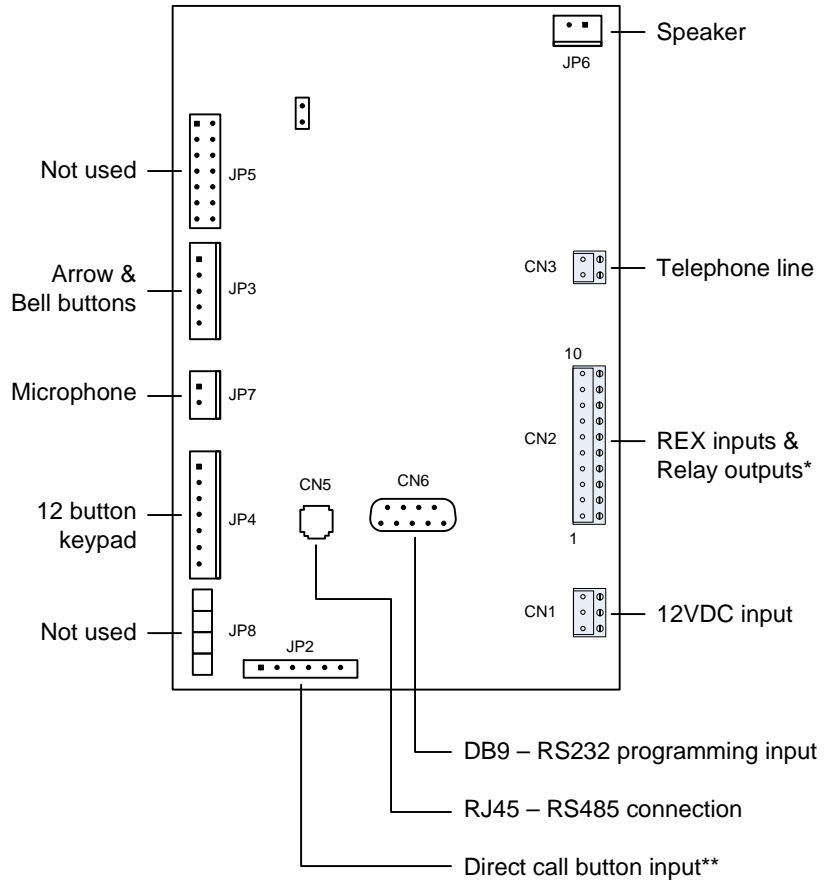


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TL-2000 Connection diagram



TL-2000 Basic set up instructions for Installer

- Install program from CD. Refer to page 6.
- Run program and choose **Supervisor** from the start up screen. Default password is “super”. Refer to page 6.
- Select **Installation** from the general menu, and click on the **new** icon.  Fill out **New Installation** screen accordingly. Refer to pages 6-8.
- Change the **Parameters** as desired from the **Details of Installation** window. Refer to pages 8-16.
- Enter **Caretaker** and or **Managing Agent** information as desired. Refer to pages 14-15.
- Select **Tel+Access** from the **Residents** tab in the **Details of Installation** window, and click on the **new** icon.  Fill out the **Resident's Details** window as desired. Close window and repeat process until all residents are entered. Refer to page 17-18.
- Click **Loading** tab from the **Details of Installation** window. Click **Configure** button to assign the proper COM port. Click the **Connect Now** button to connect with the panel. Refer to pages 21-22
- Click **Parameters** button to upload the Parameters to the panel. Click **Residents** button to upload the Residents' information to the panel. Refer to pages 21-22
- Close program.

Installation

Install the TL-2000 installation program from the provided CD.

Open the TL-2000 program.

Once open choose one of the three available user types.

Supervisor – Allows for full access of all aspects of the program, including the ability to change the parameters of the size of the system. Typically used for managing multiple installations.

Installation Company – Allows for access to all aspects of the program, not including changing parameters of the system. Recommend to be used by installer.

Managing Agent – To be used by end user to add, remove, or change tenant names.

Adjust the time and date by clicking on the Modification button.

After choosing user and adjusting time and date, click OK to enter program.

The diagram illustrates the user selection and time/date adjustment process. On the left, the 'TL-2000 V3.09' window shows the 'User' dropdown menu with 'Supervisor' selected. Below it are fields for 'Time' (15:08), 'Date' (11/17/2011), and 'Day' (Thursday). A 'Modification' button is located next to the time field. A callout box points to the 'Modification' button with the text: 'Click on Modification to change time and date.' To the right, a larger callout box explains the user types: 'There are 3 types of users to choose from.' It lists: 'Supervisor: Full access (default password = super)', 'Installation Company: General access (default password = install)', and 'Managing Agent: Restricted access Can change resident's information, but not parameters of system. (default password = manage)'. Below this, the 'Date and Time Properties' dialog box is shown, featuring a calendar for the date and a clock for the time, with the current time zone set to 'Pacific Standard Time'.

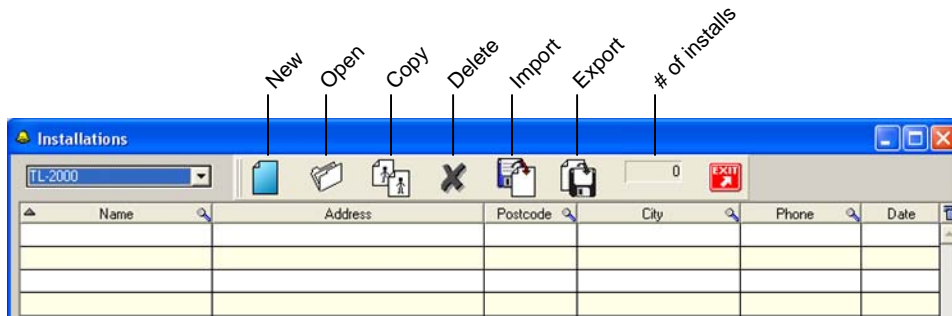
General Screen:

To begin a new installation, click on the Installation button in the general screen menu.



Installations Screen:

At the top of the menu there are icons that allow you to create a new installation, open an existing installation, or copy and delete existing installations. In addition there are icons that allow you to import and export data from TL-2000 entry panels. The number of saved installations is indicated in an area between the export icon and the exit icon.



Existing installation:

To open an existing installation double click on the installation, then click on the open icon.



New installation:

While in the **Installations** window, click on the **new** icon.



The **New Installation** window will appear. Fill in the appropriate information. Please note the Serial number is on a white sticker located on the back of the TL-2000 entrance panel. The Passcode is the last 4 digits of the Serial number.

The 'New Installation' dialog box is shown with the following fields: Type (TL-2000), Name of Installation (empty), Phone Number (empty), Serial N° (US), Passcode (empty), Street N° (empty), Address (empty), Postcode (empty), City (empty), Site Name (empty), and Builder (empty). There are checkboxes for 'Program to generate name', 'Prog > 1', 'Link', and 'MC'. The 'Installation Date' is set to 11/18/2011. The 'Capacity' is 1,990.

Check this box to have the program generate a name for the installation based on the street number and address.

The phone number cannot have spaces, blanks, hyphens, underscores, or colons.

The serial number is found on a white label on the back of the TL-2000 entry panel.

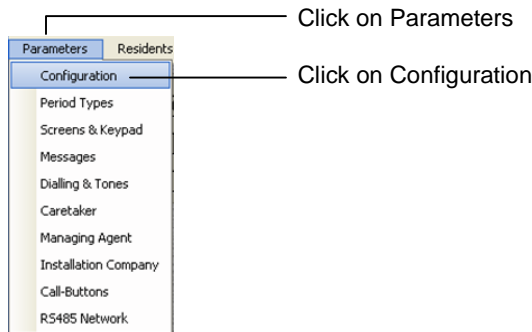
The initial passcode is the last 4 digits of the serial number.

The 'New Installation' dialog box is shown with the following filled-in information: Type (TL-2000), Name of Installation (Aiphone), Phone Number (8006920200), Serial N° (US 112407), Passcode (2407), Street N° (1700), Address (130th Ave NE), Postcode (98005), City (Bellevue), Site Name (Aiphone), and Builder (Aiphone Tech). The 'Program to generate name' checkbox is checked. The 'Installation Date' is 11/18/2011 and 'Capacity' is 1,990.

Click OK after filling in information.

Details of Installation Screen:

Upon clicking OK on the new installation window or opening an existing installation, the **Details of Installation** screen will be displayed. This allows you access to change parameters of a specific installation.



Configuration of Installation Screen:

A) Relay 1, allows you to adjust the time that Relay 1 is active when released by the keypad code or resident. The default time is 5 sec., the maximum is 300 sec.

B) DTMF Code, allows you to enter a code that will allow the resident to activate relay 1 from their phone when called from the door. The code can be between 1-4 digits.

C) Comms ends after relay 1, checking this box will terminate communication after Relay 1 has been activated.

D) Input 2, can be used to activate Relay 1, Relay 2, illuminate the LCD screen, or activate the Interlock. Default is activating Relay 2. Activating the Interlock prevents input 1 from controlling the relays.

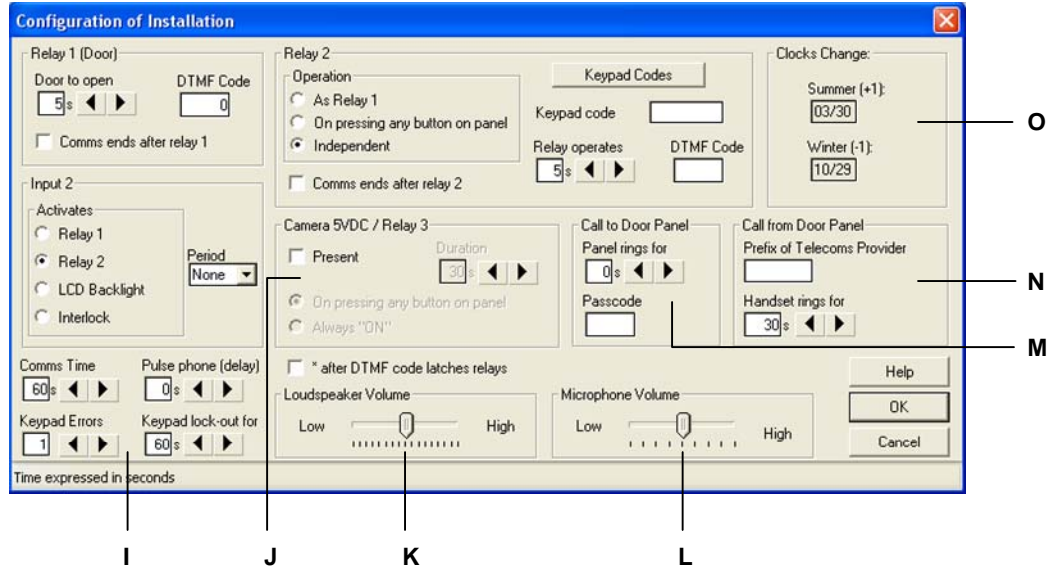
E) Period, allows you to select 1 of 5 different time profiles for the activation of Input 2.

F) Relay 2 Operation, allows you to choose if Relay 2 activates in unison with Relay 1, or when pressing any button on the panel, or to have it act independently when a specific keypad code or DTMF code is used.

G) Comms ends after relay 2, checking this box will terminate communication after Relay 2 has been activated.

H) Keypad Codes, allows you to enter 4 codes that can be active during specified time periods. **Keypad code** allows you to activate Relay 2. (min 1, max 8 digits) **Relay operates** determines how long Relay 2 is active. (min 1 sec, max 300 sec) **DTMF code**, allows you to enter a code that will allow the resident to activate Relay 2 from their phone when called from the door. The code can be between 1-4 digits.

Configuration of Installation Screen cont.:



I) Comms Time, allows you to adjust the time that a panel can remain in communication. The call will terminate after the time has expired. (min 10, max 300 seconds) **Keypad Errors** sets the maximum number of times an incorrect code can be attempted before the entry panel shuts down. (max 9) **Keypad Lock-out for**, sets the amount of time that the keypad will be shut down. (min 10, max 300 sec) Once the keypad has been locked out an error / warning message will be displayed on the panel.

J) Camera 5VDC / Relay 3, allows you to activate the CN5 connector. Not recommended to use, contact Aiphone for additional information.

K) Loudspeaker Volume, adjusts the speaker volume heard out at the entrance panel.

L) Microphone Volume, adjusts the microphone volume heard at the tenant.

M) Call to Door Panel, allows for a phone to call the entrance panel, provided it has the Passcode.

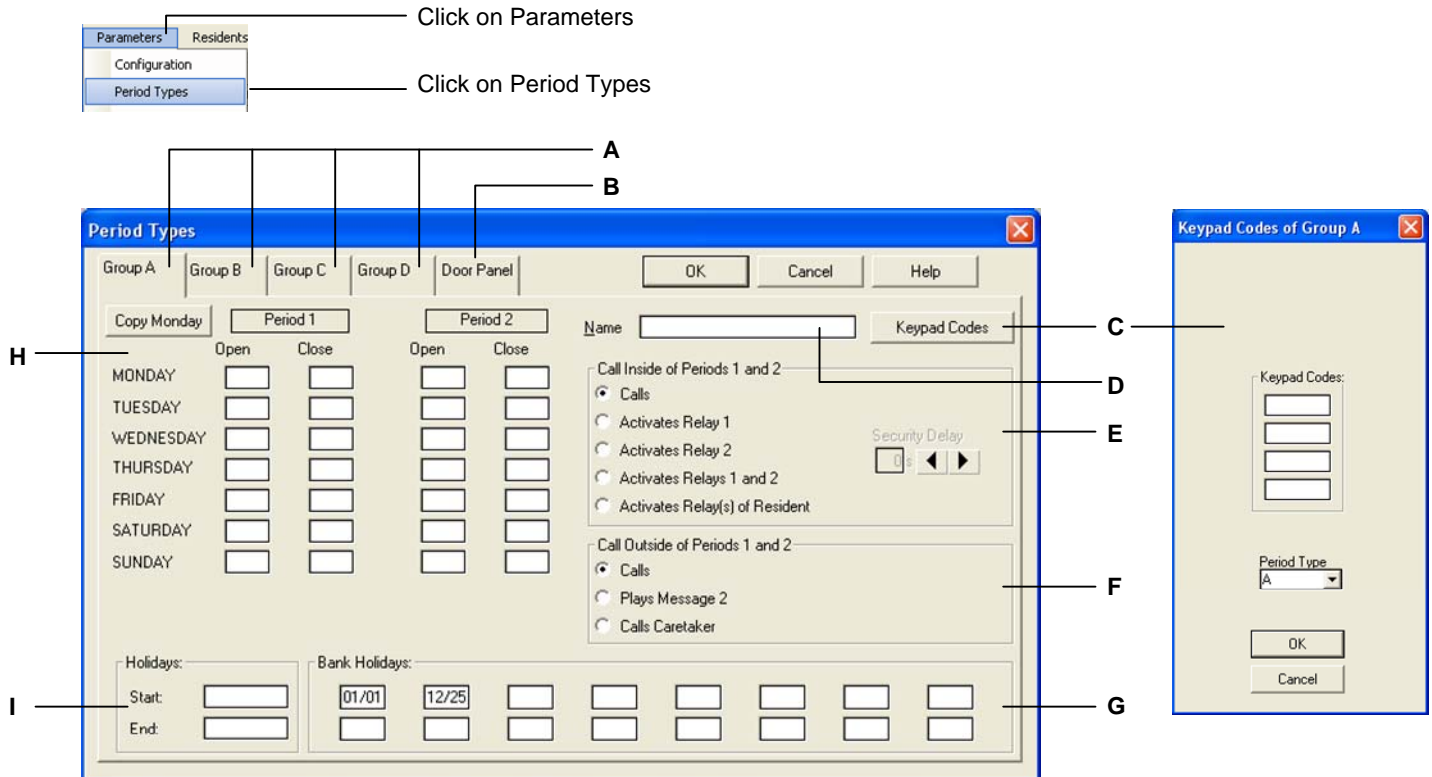
Panel rings for adjusts the amount of time that the entrance panel will ring when called. (min 0, max 45 sec) A 4 digit **Passcode** must be used to turn on this feature.

N) Call from Door Panel, controls the calls coming from the door panel. **Prefix of Telecoms Provider** is used if the telecom provider has a unique prefix. **Handset rings for** sets the time that the entrance panel will ring a telephone number. (min 10, max 300 sec.)

O) Clocks Change displays the dates specified in the **Installation** screen under the **Update** tab in the **Summer / Winter Clock Change** menu.

Period Types:

Period Types allow you to change the access parameters based on a time schedule. The TL-2000 has 5 different periods that can be scheduled, Group A, B, C, D, and Door Panel. A period type is a 7 day week schedule, with 1 time zone, 2 time zones, or a combination of both. To start, click on **Period Types** from the **Parameters** tab.



A) Group A, B, C, D, allows you to select up to four different groups, with each group having its own parameters for door entry controls.

B) Door Panel, allows you to determine what occurs at the door panel during the different periods. (see next page)

C) Keypad Codes, opens a 2nd window that allows you to enter 4 different codes for the specified period. When the codes are entered during the specified period, Relay 1 will be activated.

D) Name, allows you to name the specific periods.

E) Calls Inside of Periods 1 and 2, will determine what the panel does during the specified periods when the bell button is pressed after locating a tenant. **Calls** will allow the panel to call a tenant. **Activates Relay 1** will activate relay 1 instead of calling the tenant. **Activates Relay 2** will activate relay 2 instead of calling the tenant. **Activates Relays 1 and 2** will activate relays 1 and 2. **Activates Relay(s) of Resident** will activate the relay associated with the tenant. **Security Delay** triggers the associated relay after a specified timeframe to give the impression that the entrance was monitored before giving access to building. (max 60 sec)

F) Call Outside of Periods 1 and 2, will determine what the panel does outside of the specified period. **Calls** will allow the panel to call the tenant. **Plays Message 2** will play pre-recorded message 2 rather than call the tenant. The default message 2 is "Your correspondent cannot be reached at this time, please try again later". **Calls Caretaker** calls the pre-assigned number rather than the tenant.

G) Bank Holidays will refer to isolated dates that should ignore the specified periods. Enter the month and day numerically.

H, Period 1, Period 2. Enter the hour and minute for each day for the start and end of the specified period. Put time in the 24 hour format. If all times are the same as Monday, simply click on the **Copy Monday** button to auto-populate the remaining days.

I) Holidays, allows you to enter a start date and end date if sequential days need to ignore the specified periods. Enter as month/day/year.

Period Types (continued):

Select the Door Panel tab.

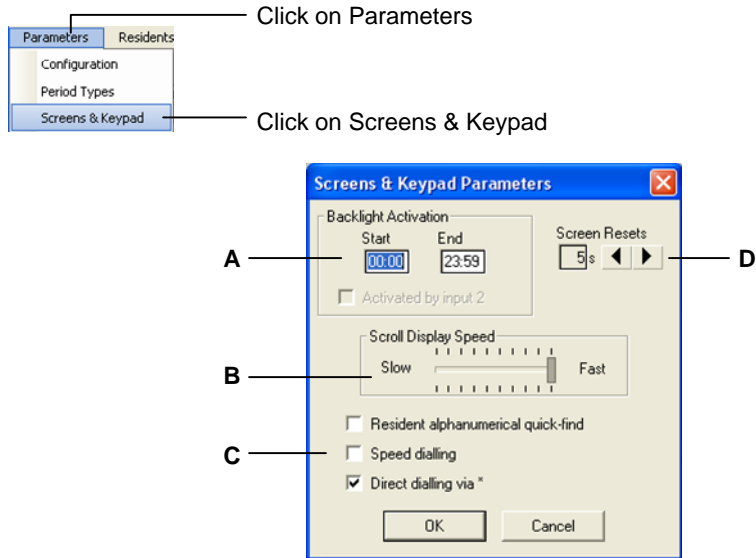
The screenshot shows the 'Period Types' dialog box with the 'Door Panel' tab selected. The 'Operational Mode' section has 'Active Periods' selected. The 'Free Access' section has 'Relay 1 Latched (Door "Hold Open")' and 'Relay 2 Latched (Door "Hold Open")' unchecked. The 'Scroll Display of Residents' section has 'Fully Functional, Information + Call' selected. Labels J, K, and L point to these sections respectively.

J) Operation Mode, allows you to choose between the different modes available. **Active Periods** are the times between Open and Close during Period 1 and Period 2. When Active Periods is selected, "Free Access" will be displayed on the panel along with an arrow pointing toward the bell button. During this time the door will be released when the bell button is pushed. When **Controlled Access – 24hrs** is selected, the door will not be released unless the proper key code has been used or the tenant releases the door. When **Free Access-24hrs** is selected, "Free Access" will be displayed on the panel along with an arrow pointing toward the bell button. During this time the door will be released when the bell button is pushed. If the arrows are used to scroll to a name and the bell button is pushed, the tenant will be called.

L) Scroll Display of Residents, allows you to choose between displaying or not displaying the resident's information during the specified period when **Free Access** is displayed on the panel. Selecting **Off** will prevent the entrance panel from scrolling to a tenant's name during the specified period. Selecting **Information and Activation of Resident's relay** will allow the entrance panel to scroll to the tenant's name. Pressing the bell button will activate the associated relay, but will not call the tenant. Selecting **Fully Functional, Information + Call** will allow the bell button to activate the associated relay, as well as allowing the entrance panel to scroll to a name and call the tenant.

K) Relay 1 Latched (Door "Hold Open"), when selected, Relay 1 contacts are kept latched for the duration of the specified period. **Relay 2 Latched (Door "Hold Open")**, when selected, Relay 2 contacts are kept latched for the duration of the specified period. When Free Access and Door "Hold Open" are selected, the display will say "Free Access" with the arrow pointing toward the bell button. However, pressing the bell button will not be necessary as the contacts will remain activated for the specified period.

Screens & Keypad Parameters:



A) Backlight Activation, brightens the display screen between the start and end times set. When installed in a bright area, you may want to adjust the time so that it is off during daylight hours.

B) Scroll Display Speed, adjusts the scrolling speed when using the arrow keys to scroll through the names.

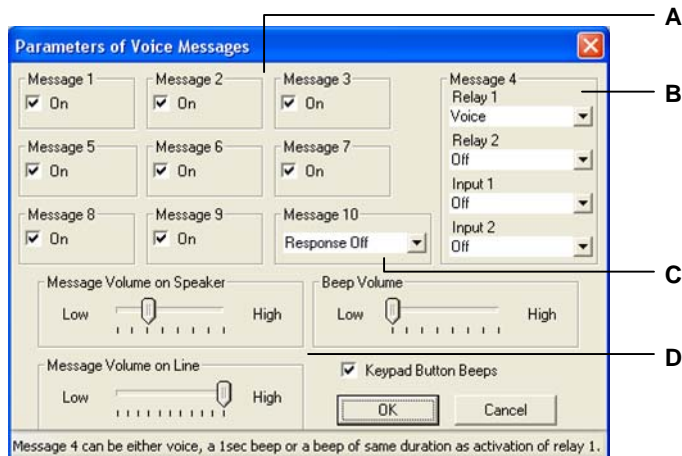
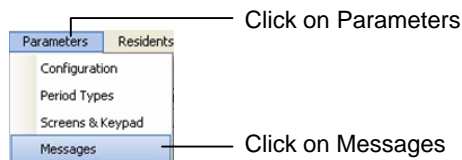
C) Checking the Resident alphanumeric quick-find box, allows the number buttons to be used to “jump” alphabetically. 2=A, 3=D, 4=G, 5=J, 6=M, 7=P, 8=T, 9=W. Enabling this requires that the “#” key is entered prior to any keypad entry code.

Checking the **Speed dialing** box enables the speed dial feature, allowing visitors to dial tenants by either their apartment number or personal number.

Checking the **Direct dialing via*** box allows a visitor to dial a tenant by pressing the * followed by the tenant’s phone number.

D) Screen Resets allows you to adjust the time before the screen resets back to the default screen. (min 2, max 10 sec)

Messages:



A) Message 1-9, are voice announcements heard at the door panel. Checking the On box will allow that message to be accessed.

B) Message 4, corresponds to the activation of Relay 1 and 2. It can either be a voice message, a single beep, or a beep for the duration of the relay contact.

C) Message 10 has 3 options: **Off**, **On**, and **Response Off**. **On** allows the message “Call from Door Panel” to be heard at the phone receiving the call and at the panel. **Response Off** only plays the message at the phone, not at the panel.

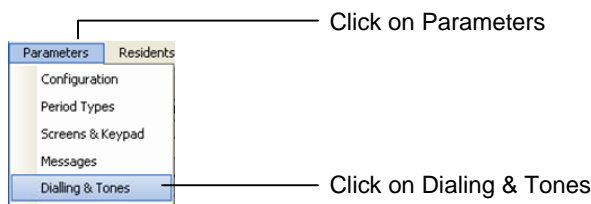
D) Message Volume on Speaker controls the volume heard at the panel. **Beep Volume** controls the volume of any beeps heard at the panel. **Message Volume on Line** controls the volume heard by the phone. Checking the **Keypad Button Beeps** box allows the panel to emit a beep every time a button is pressed.

Messages (Continued):

Message #	Pre-recorded Message	Event Type
Message 1:	"Please wait, your call is in progress"	Each time a call is made.
Message 2:	"Your correspondent cannot be reached at this time. Please try again."	When a visitor presses the bell button to call a resident outside of Periods 1 & 2. i.e. Off hours or when residents do not want to be disturbed.
Message 3:	"You have dialed incorrectly."	When a visitor has entered an incorrect telephone number on the panel.
Message 4:	"Please enter."	A correct keypad code has been entered, or the resident has activated the door release from their phone.
Message 5:	"Sorry, the line is busy. Please try again later."	When the resident's telephone line is engaged or occupied.
Message 6:	"Sorry, no answer. Please try again later."	When there is no answer from the resident's telephone number.
Message 7:	"The code entered is incorrect."	When an incorrect keypad code has been entered on the panel.
Message 8:	"Sorry your call cannot be made, please try again later."	Spare
Message 9:	"Please dial your correspondent's telephone number."	Resident's status is protected, requiring visitor to enter resident's telephone number.
Message 10:	"Call from door panel."	Message heard at resident's phone when receiving a call from the entrance panel.

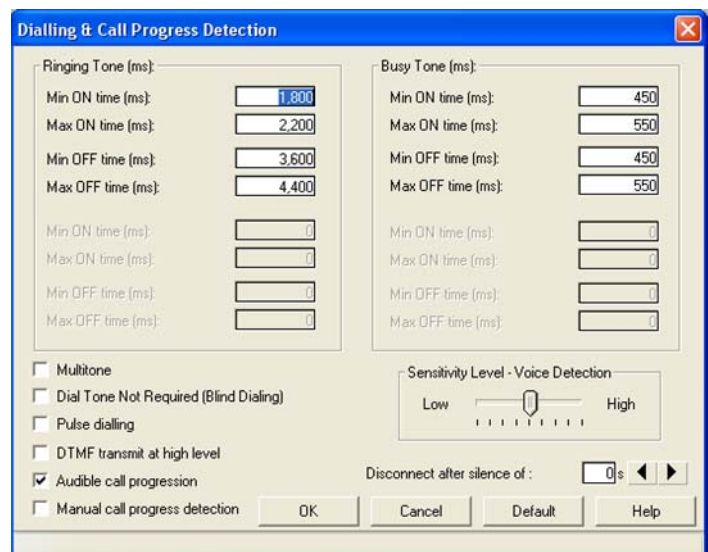
Dialing & Call Progress Detection :

The Dialing & Tones menu should not have to be accessed unless tying into a PABX or other setup with differing parameters.

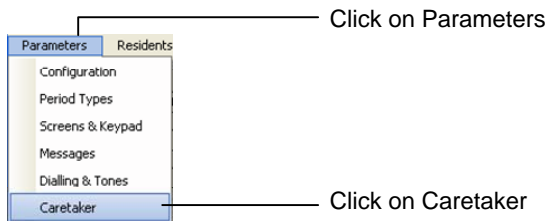


Audible call progression, when selected, allows the panel to hear the progression of a call they make to a tenant.

Manual call progress detection is used for testing purposes only.



Caretaker:



Caretaker's Name: Is a Resident

Street N°:

Address:

Postcode:

City:

Keypad:

Phone number: Fax number:

OK Cancel

Enter the **Caretaker** information if applicable. If Caretaker needs to be accessed by the entry panel, check the “**Is a Resident**” box.

Name*: Hidden

Building:

Floor:

Apartment:

Phone number 1: Protected

Phone number 2:

Call-button:

Phone period:

Keypad: Access period:

Activates relay 1 Activates relay 2

OK Cancel Help

* = required field

When the “**Is a Resident**” box is checked, the **Caretaker Details** window will open. If you need to make changes to this information after you close the window, open it through the **Residents** tab.

Checking the **Hidden** box will hide all aspects of the Caretaker from the panel.

Checking the **Protected** box will require a phone number before a call from the entrance panel will go through.

Managing Agent:



The 'Managing Agent' dialog box contains the following fields and controls:

- Managing Agent:
- Street N°:
- Address:
- Postcode:
- City:
- Keypad:
- Phone number:
- Fax number:
- Contacts:
- Contacts' tel no:
-

Click on the **Add Managing Agt.** button to open a new window that will allow you to enter in the Managing Agent's information.

The 'Add Managing Agent' dialog box contains the following fields and controls:

- Name: Keypad:
- Street N°:
- Address:
- Postcode:
- City:
- Phone number:
- Fax number:
-

Click on the **Persons** button to open a new window that will allow you to enter in contacts for the managing agent.

Clicking on the **New** button in the contact window will open the **Person Details** window, allowing you to add a contact to Managing Agent.

Name	Phone N°
Mr. Bob Smith	5551112222

The 'Person Details' dialog box contains the following fields and controls:

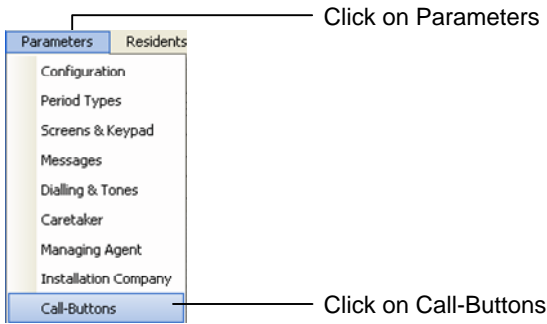
- Name:
- Phone number:

Installation Company:



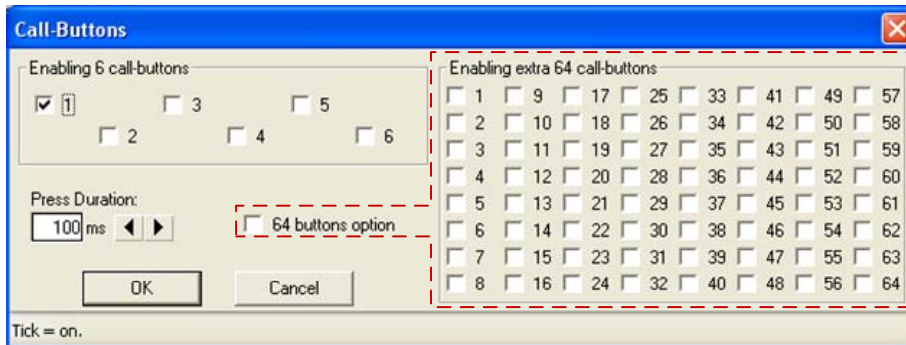
Follow the same process that you used for adding a managing agent and managing agent contacts to add an **Installation Company**.

Call-Buttons:



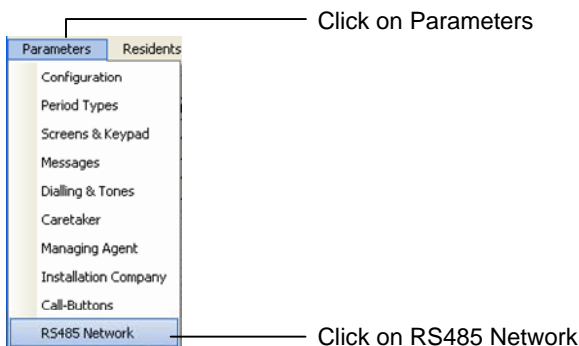
Up to 6 call buttons can be added to the entry panel for quick reference. Check the boxes for the appropriate call buttons you will be adding to JP2 (refer to pg.3)

Press Duration is the time the button must be pressed before the panel launches the call.



64 buttons option is not available in North America.

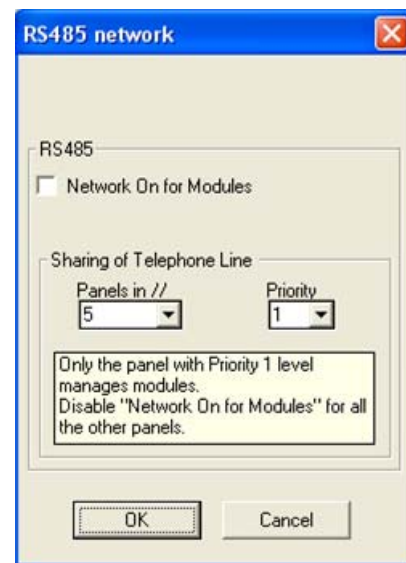
Sharing Telephone Lines:



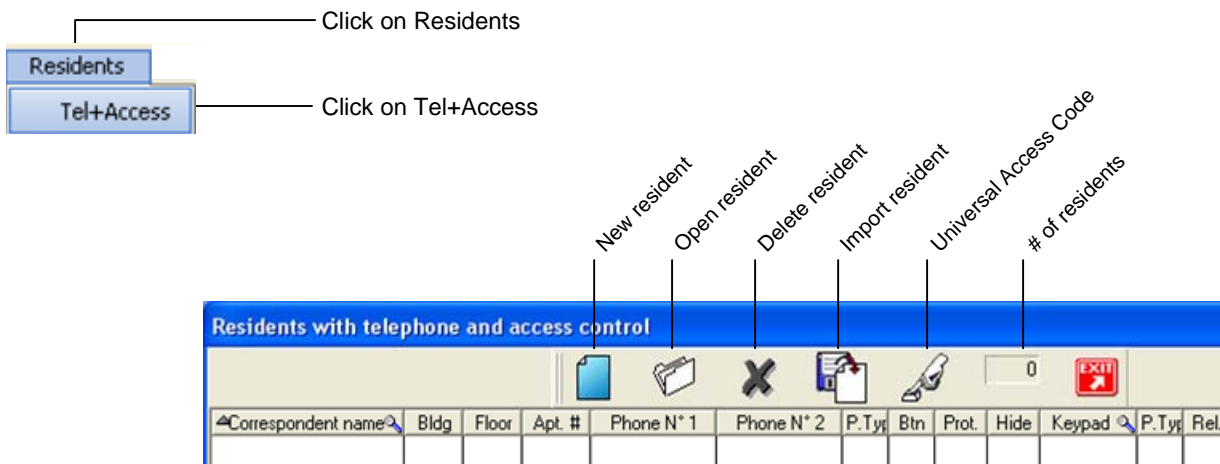
Select how many panels will be sharing the telephone line and set the priority level for each panel. Use the priority drop down box to select the priority level for each of the other panels when logged into each respective panel.

A maximum of 5 TL-2000 panels can be connected together via an RS485 bus. Connect to CN5 on PCB.

Do not check the **Network On for Modules** box. This is used when integrating the panel with other access modules. This is not a supported feature at this time.



Residents and Access:



Click on **New** to add a Resident

The **Resident's Details** screen will display. Enter the relevant information and click OK when finished.

Check **Hidden** if you wish no details regarding this resident to be displayed on the door panel. If hidden, visitors will need to know that the resident lives in the building and will enter * followed by their telephone number to call the resident.

Check **Protected** if you wish to prevent the visitor from calling the Resident by pressing the bell button. The panel will play a message directing the visitor to dial the resident's telephone number. Enabling this will prevent residents from being unnecessarily disturbed by strangers or from receiving nuisance calls from people "playing" with the panel.

Note: When protected, if the telephone number physically dialed is busy or there is no answer, the system will not automatically dial the 2nd telephone number.

Use to assign resident to a dedicated call button on the panel, if applicable.

Use to associate the resident with a period type. Example: to be protected from nuisance calls during early morning hours.

Use to assign the resident a keypad entry code. This code can be time period controlled using Access period.

Enable/Disable the relay rights for Relay 1 and Relay 2.

Access Only:

Click on Residents

Click on Access only

New resident

Open resident

Delete resident

Universal Access Code

of residents

Correspondent name	Bldg	Floor	Apt. #	Keypad	P.Type	Rel.
Cleaner				4517	A	1
Gardener				8747	B	1
Postman				5665	C	1

Access Only is used to provide access into the building via a keypad code. A unique code can be set up for persons that may require access to the building. You can restrict usage of the code using Period types.

Click on **New** to add a Resident

The **Resident's Details** screen will display. Enter the relevant information and click OK when finished.

Resident's Details

Name:* Hidden

Building:

Floor:

Apt. #:

Keypad:* Access period:

Activates relay 1 Activates relay 2

OK Cancel Help

* = required field

Services:

Click on Residents

Click on Services

New service

Open service

Delete service

Universal Access Code

of services

Name	Phone N° 1	Phone N° 2	P.Type	Prot.	Hide	Keypad	P.Type	Rel.
Bill Locksmith	2065555678		D	<input type="checkbox"/>	<input type="checkbox"/>	5678		
Joe Plumber	2065551234		D	<input type="checkbox"/>	<input type="checkbox"/>	1234		
Mike Electrician	2065554321		D	<input type="checkbox"/>	<input type="checkbox"/>	4321		

Click on **New** to add a Service

The **Important Services – Contact Details** screen will display. Enter the relevant information and click OK when finished.

Important Services - Contact Details

Name:* Hidden

Phone number 1: Protected

Phone number 2: Phone period:

Keypad: Access period:

Activates relay 1 Activates relay 2

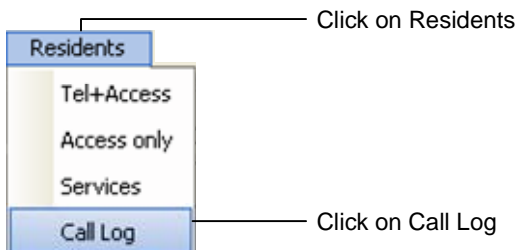
OK Cancel Help

* = required field

Up to 10 **Services** can be programmed to the entry panel. All of the programming and functions of the Services section and sub screens are the same as the Residents section.

Name	Phone N° 1	Phone N° 2	P.Type	Prot.	Hide	Keypad
Bill Locksmith	2065555678		D	<input type="checkbox"/>	<input type="checkbox"/>	5678
Joe Plumber	2065551234		D	<input type="checkbox"/>	<input type="checkbox"/>	1234
Mike Electrician	2065554321		D	<input type="checkbox"/>	<input type="checkbox"/>	4321

Call Log:



The **Call Log** screen displays the quality and duration of calls made to each resident in the building.

Name	Number of Calls	Total Call Duration (secs)
FLAT 168	1	17
HODGE PAUL	2	33
KIM, MR & MRS	50	449
PORTER	78	1,034
SMITH S	1	6
TABER M	3	91
TAYLOR/FLOOD	5	66

Help

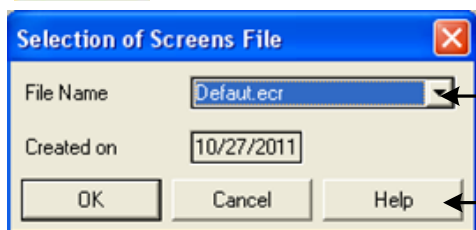
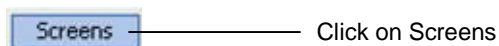
Close

-> Excel

-> Word

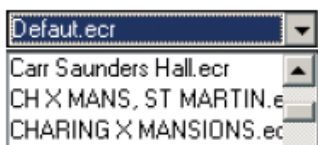
You have the choice of saving the Call Log data in Excel or Word formats.

Screens:



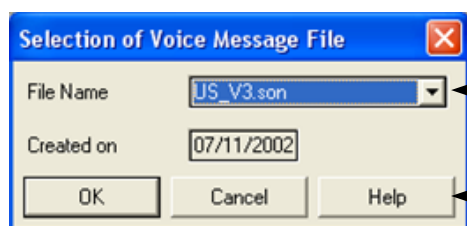
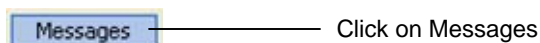
The standard Default.ecr screen is the default and should be used.

Click **Help** if you want information on how to create customized screen files.



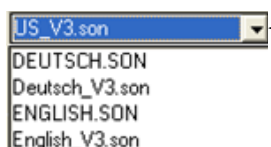
If you have customized a screen for a particular installation and saved it under a different file name, use the drop down box to see a list of screen files available and select accordingly. Click **OK** when finished. You will need to upload the customized screen file to the panel for it to take effect.

Audio Messages:



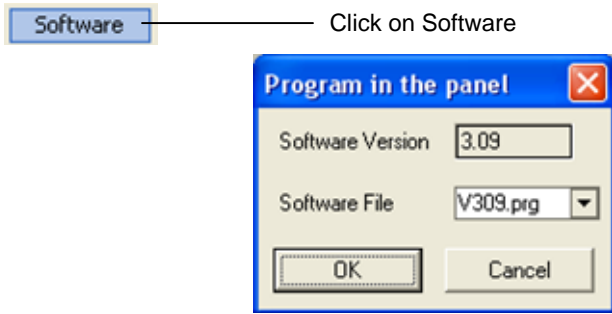
US_V3.son is the default audio message file.

Click **Help** if you want information on how to create customized audio message files.



To select a different audio message, use the drop down box to see a list of audio messages available and select accordingly. Click **OK** when finished.

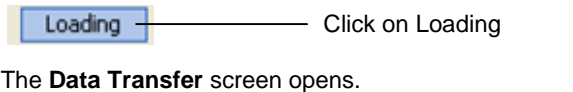
Software:



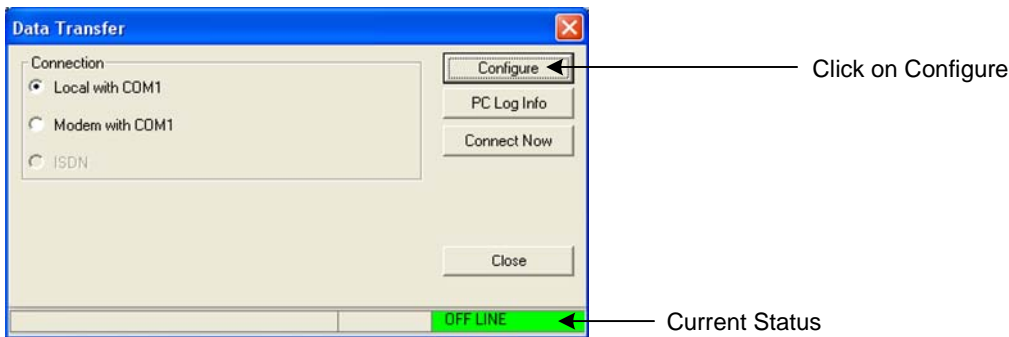
The **Program in the panel** box details the version of software that is being used and allows you to select different versions to use. This is used to update installations with the latest software releases.

Loading:

All programming changes made using the TL-2000 application software must be uploaded from the PC to the panel to take effect.



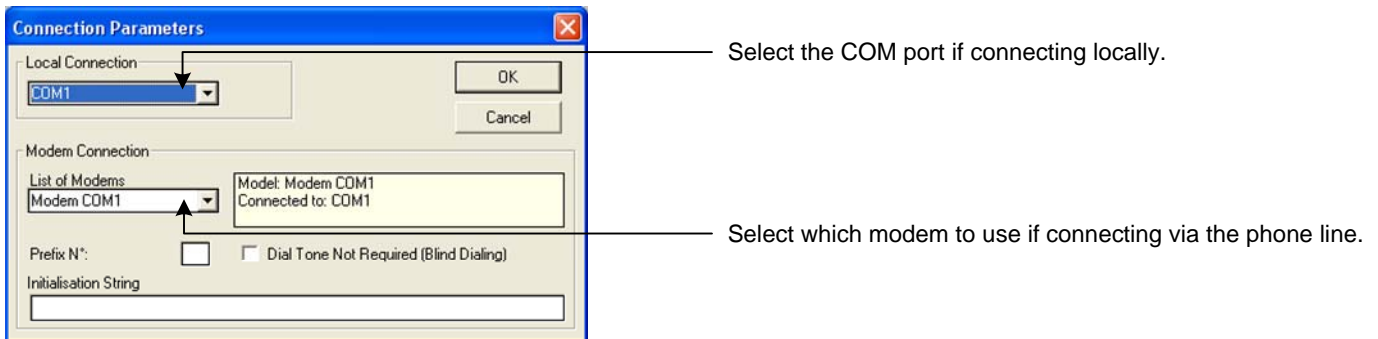
The **Data Transfer** screen opens.



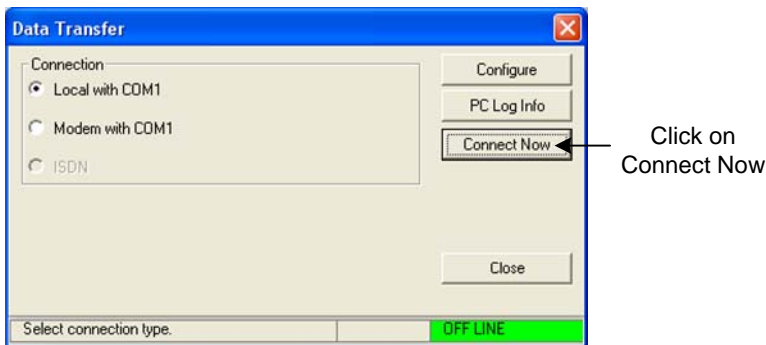
The **Connection Parameters** screen opens.

Connection to the TL-2000 panel can be made in two ways:

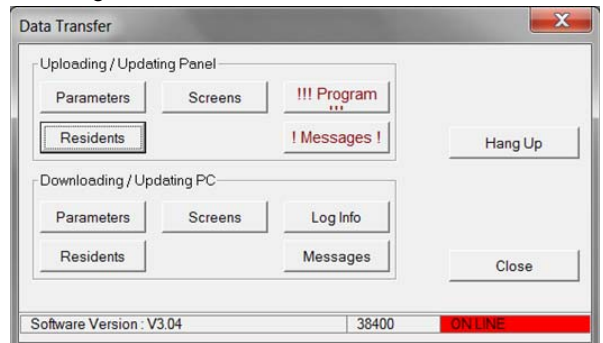
- 1. From a COM (Serial) Port of a Laptop or PC to connector CN6 on the PCB of the panel using a DB9 (null modem) serial cable.
- 2. Remotely from a PC via an analog modem (max speed 33,600 bps) via the phone line.



Click OK when done. The Data Transfer window will display again.

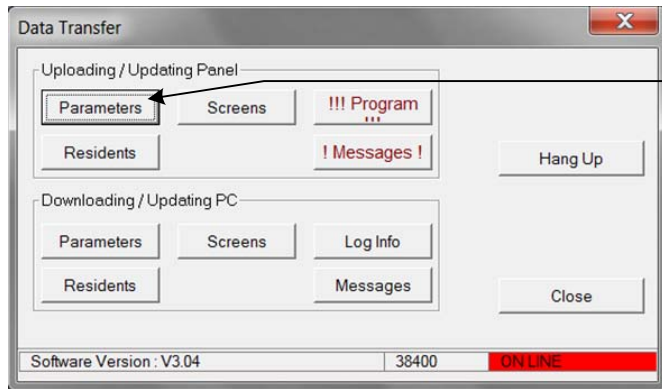


A new Data Transfer screen will display showing the status as "ON LINE".

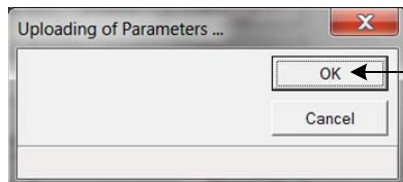


Uploading / Updating Panel:

The programming information must be sent (uploaded) to the Panel to take effect.



Click on Parameters to upload all settings and configurations programmed in all of the Parameter sub-menus and sections.



Click OK.

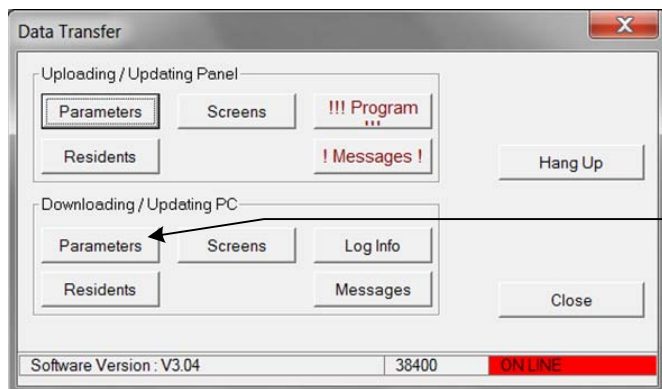


A successful transmission message will appear.

Follow the same procedure when uploading the Residents, Screens, Messages, and Program. **Each section must be uploaded separately.**

When updating an existing installation, it is recommended to download the data from the panel, make your necessary changes, then upload those changes. This will ensure that you do not accidentally overwrite any required data.

Downloading / Updating PC:



Click on Parameters to import the parameters currently stored in the panel to your PC.

General Information:



The **Installation** window will display.

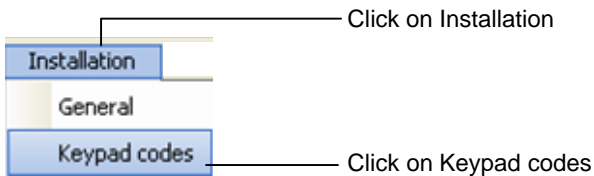
The screenshot shows the 'Installation' window with the following fields and values:

- Type: TL-2000
- Name of Installation: 1700130thAVENE130
- Phone Number: 8008920200
- Serial N: US 112407
- Capacity: 1,990
- Passcode: 2407
- Installation Date: 11/23/2011
- Street N: 130
- Address: 1700 130th AVE NE
- Postcode: (empty)
- City: (empty)
- Site Name: (empty)
- Builder: (empty)
- Buttons: OK, Cancel
- Checkboxes: Prog > 1, Link, MC (all unchecked)

Select the panel type.

This screen will display all of the general installation information for the particular job / installation you are logged into.

Keypad codes:

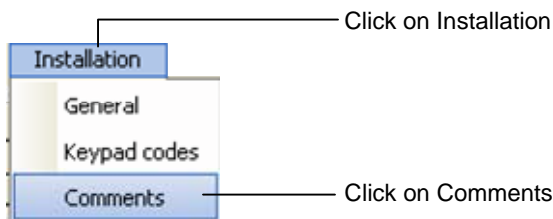


The **Keypad code list** window will display.

Screen	Name	Code	Relays
Parameters...Caretaker	Paul Hefty	1234	1
Residents...Access only	Cleaner	4517	1
Residents...Access only	Gardener	8747	1
Residents...Access only	Postman	5665	1
Residents...Services	Bill Locksmith	5678	1
Residents...Services	Joe Plumber	1234	1
Residents...Services	Mike Electrician	4321	1
Residents...Tel+access	Corey Brothers	7108	1
Residents...Tel+access	Derek McNeill	6587	1
Residents...Tel+access	John Ford	4458	1 2
Residents...Tel+access	Luke Romero	1234	1
Residents...Tel+access	Martin Marty	1234	1
Residents...Tel+access	Paul Luedtke	1234	1
Residents...Tel+access	Russ Crandall	6241	1
Residents...Tel+access	Skot Gilbert	1234	1


This is a list of all of the keypad codes that are programmed for this specific job / installation.

Comments:

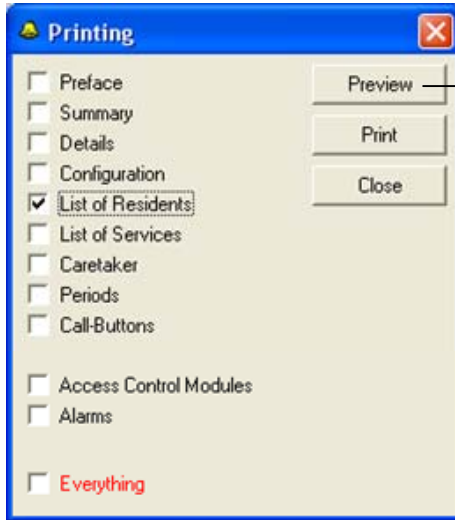


This will direct you to your Word program. This is used to make notes / comments for the installation. The Word document will be defaulted to save as the name of the installation.

Printing:

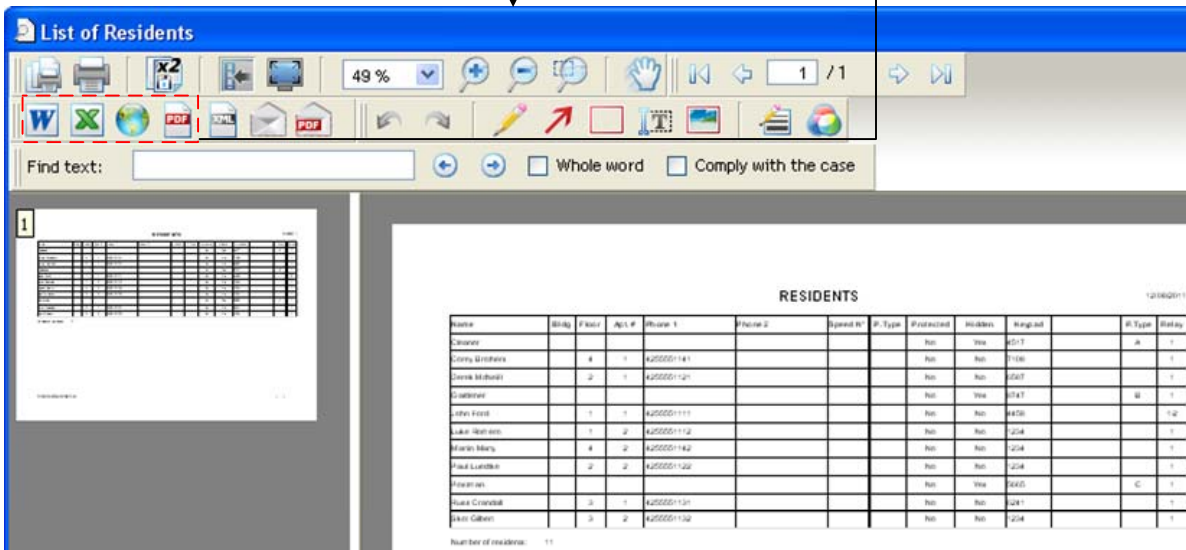
 Click on Print

The **Printing** window will display



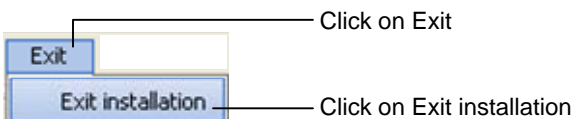
Select Preview to preview the document and choose the program you would like to save the file to (Word, Excel, HTML, PDF). Select Print to have the document sent directly to your printer for a hard copy.

Select the format in which you would like to save/export the document.

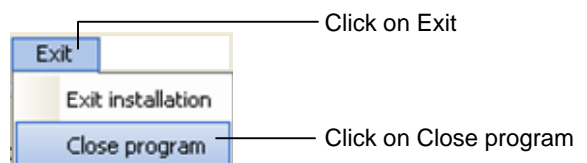


Exit:

To exit an installation:



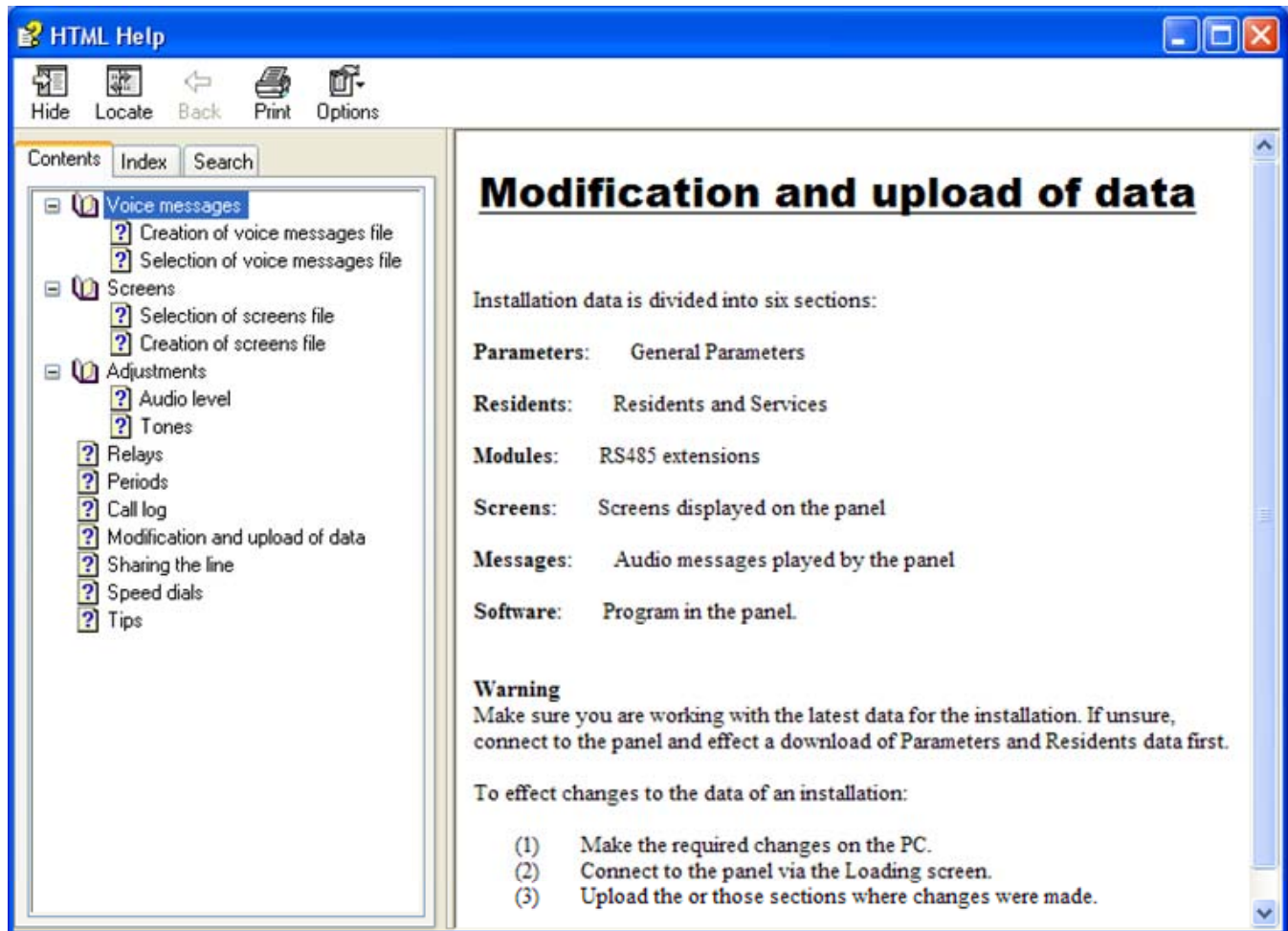
To close the program:



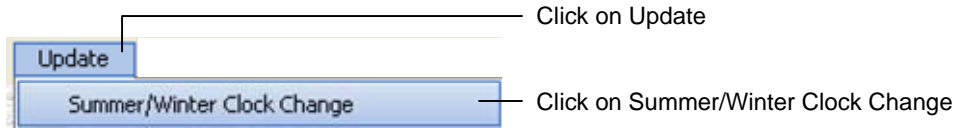
Help:

 Click on the Question Mark (?)

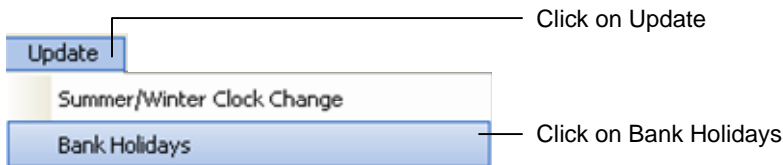
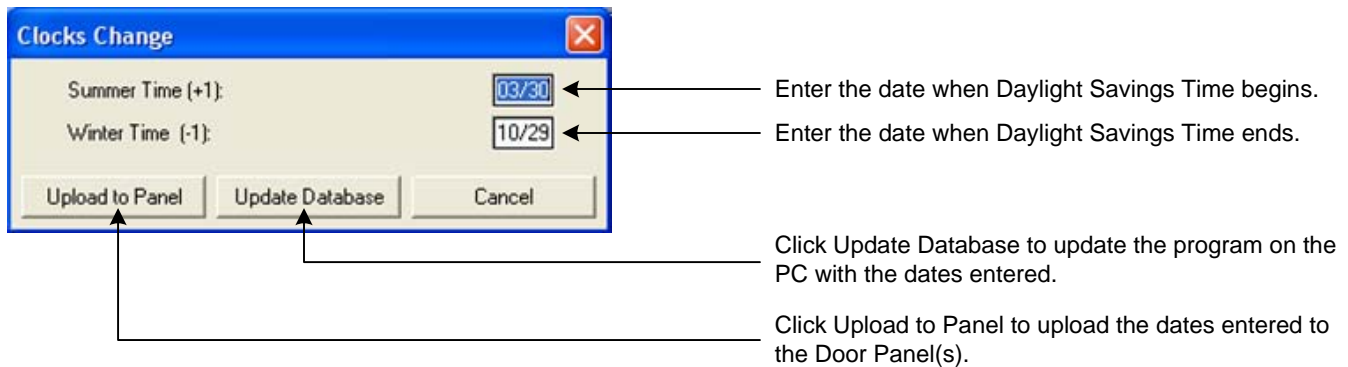
This will open an HTML Help window. You can use this help window for assistance on how to program the different features of the TL-2000 panel.



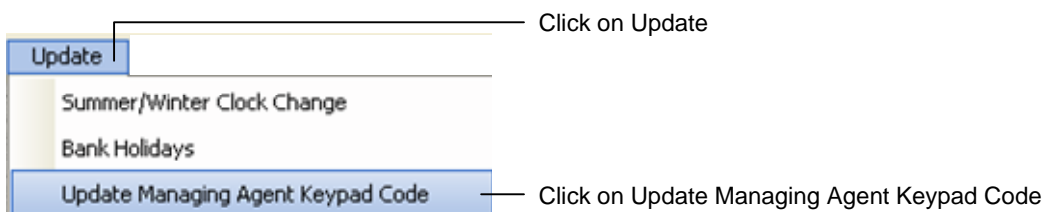
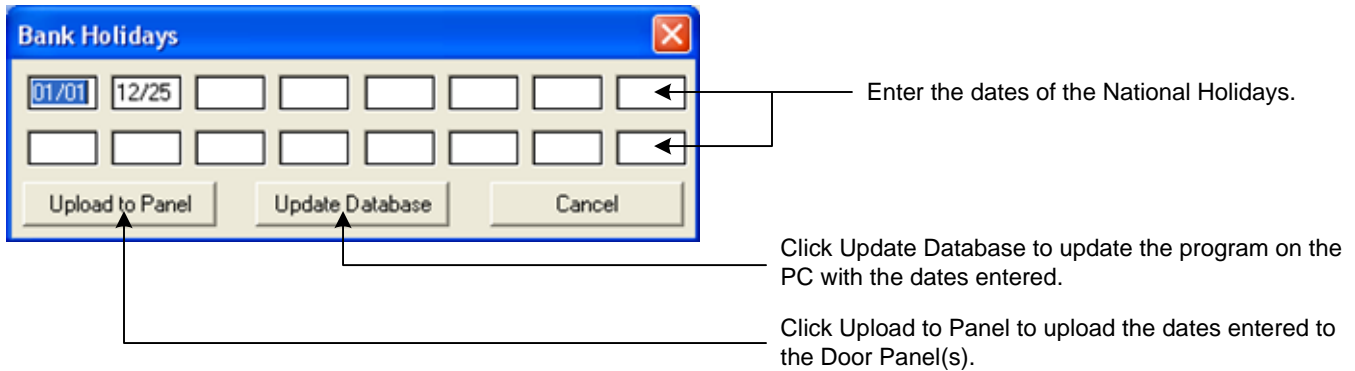
Update Menu – General Screen:



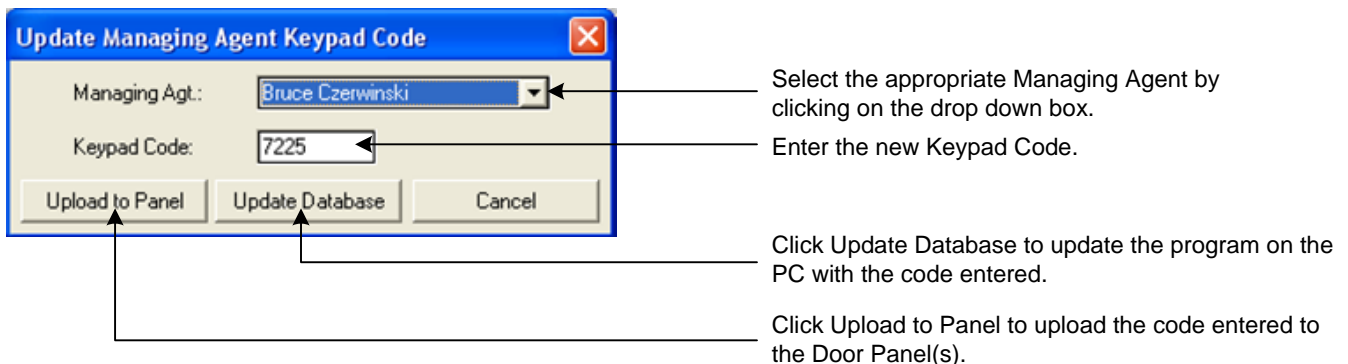
The **Clocks Change** window will display.



The **Bank Holidays** window will display.



The **Update Managing Agent Keypad Code** window will display.



Update Menu – General Screen (Continued):

Click on Update

Click on Update Installation Company Keypad Code

The screenshot shows a menu with options: Update, Summer/Winter Clock Change, Bank Holidays, Update Managing Agent Keypad Code, and Update Installation Company Keypad Code. The 'Update' option is highlighted at the top, and 'Update Installation Company Keypad Code' is highlighted at the bottom.

The **Update Installation Company Keypad Code** window will display.

Select the appropriate Installation Company by clicking on the drop down box.

Enter the new Keypad Code.

Click Update Database to update the program on the PC with the code entered.

Click Upload to Panel to upload the code entered to the Door Panel(s).

The dialog box is titled 'Update Installation Company Keypad Code'. It has fields for 'Installation Co.' (dropdown menu with '123 Locksmith' selected) and 'Keypad Code' (text box with '4571' entered). At the bottom are buttons for 'Upload to Panel', 'Update Database', and 'Cancel'.

Click on Update

Click on Update Installations

The screenshot shows the same menu as above, but with 'Update Installations' highlighted at the bottom.

The **Updating of Installations** window will display.

Choose how to sort the installations.

Select the installation you wish to update.

The selected installation will appear here.

Select what you want to update to the selected installation(s).

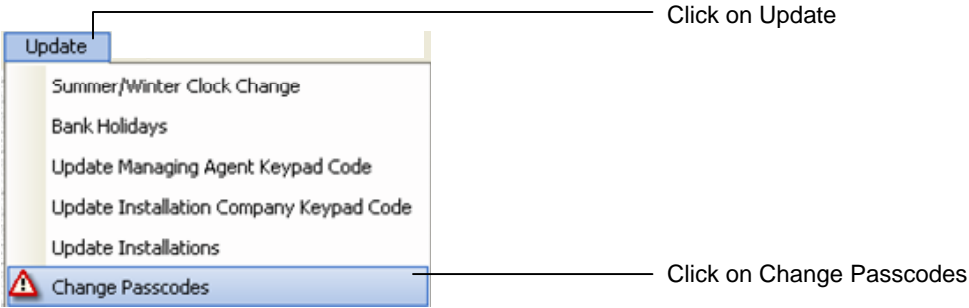
Choose your connection. Select Configure to change the Com Port.

Click Loading to update the selected installations with the types chosen.

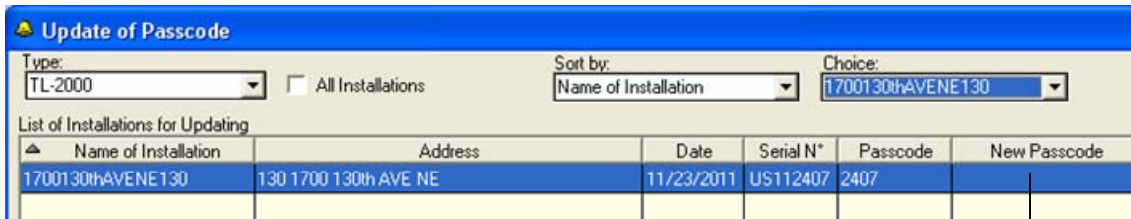
Name of Installation	Address	Date	Serial N*	Passcode
1700130thAVENE130	130 1700 130th AVE NE	11/23/2011	US112407	2407

The 'Updating of Installations' window includes fields for 'Type' (TL-2000) and 'All Installations'. It features a table of installations for updating. At the bottom, there are sections for 'Update Type' (Parameters, Residents, Modules, Software, Screens, Messages), 'Connection' (Local with COM1, Modem with COM1, ISDN), and buttons for 'Loading', 'Configure', 'Delete', and 'Close'. A status bar at the bottom indicates 'OFF LINE'.

Update Menu – General Screen (Continued):

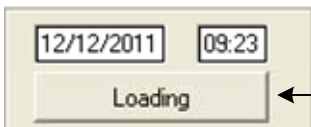


The **Update of Passcode** window will display.

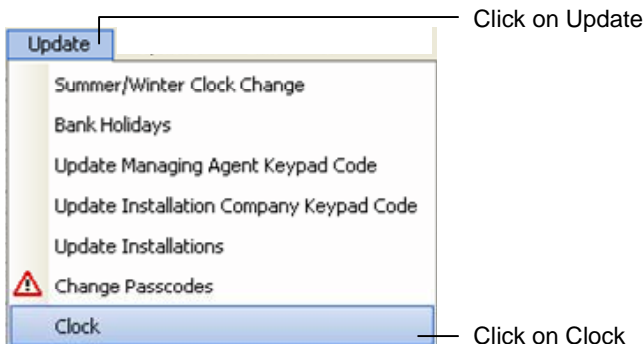


Select the appropriate installation as explained on page 25.

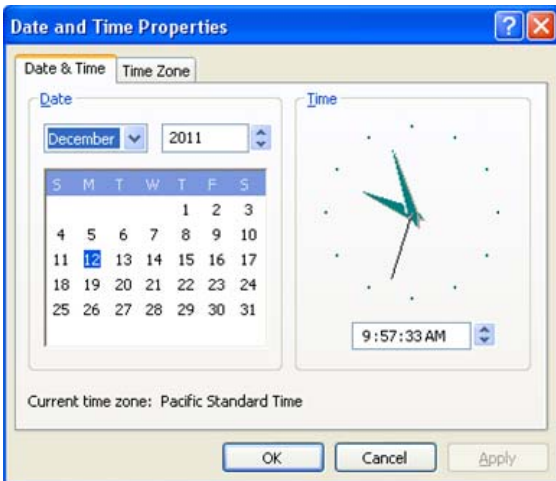
Click on the relevant cell in the New Passcode column and enter the new 4 digit Passcode number.



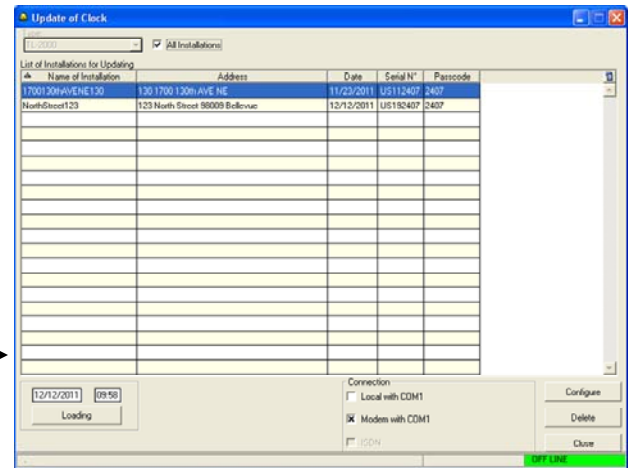
Click on Loading to upload the new passcode.



Your PC Date and Time Properties window will display.



Set the time and click ok. The **Update of Clock** window will display.

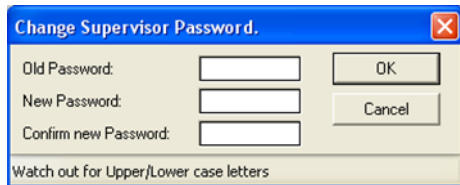


Select the installation(s) you wish to set the time on and click on Loading to update.

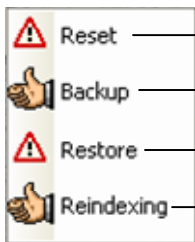
Options Menu – General Screen:



The Change Password screen will display



Enter the existing password for the level you have chosen, then type the new password and retype it to confirm. Press OK when done.

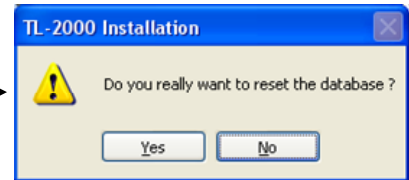


Click on **Reset** to restore the database to factory set defaults.

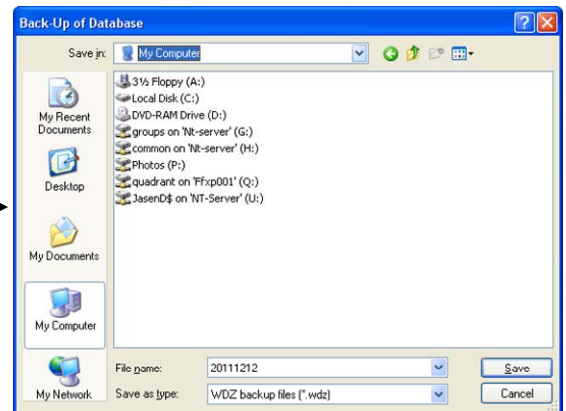
Click on **Backup** to save the programmed information and data to your PC.

Click on **Restore** to restore from an earlier backup.

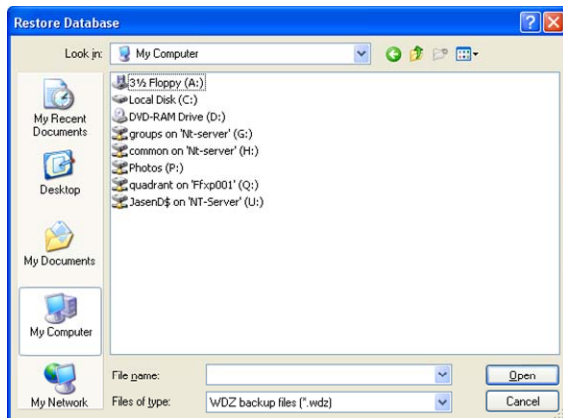
Click on **Reindexing** to reorganize the database.



The Reindexing function reorganizes the files into their correct order. It is recommended to use this feature periodically if changes are made.



It is recommended to regularly back up all programmed information and data.



Specifications:	
Connections	Operator Analog Line (a/b) or PABX extension of the internal telecommunications network of company. Socket to be analog type.
Telephones	1) Standard analog DTMF "Touch Tone" 2) Mobile telephone 3) Cordless phone Note: Pulse tone compatible.
REN Loading	=1 Maximum REN on any PSTN line = 4 If any 3 rd party equipment is connected in parallel, for example: burglar alarm, socket, etc. REN loading must not be exceeded.
Power Supply	12V DC Regulated
Power Consumption	450mA at 12VDC
CE Norms:	EN60950 EN55022 Edition 98 Class B EN55024 Edition 98 Class B
Telecommunications Norms:	CTR21
Operating Temperature	5°F to 140°F (-15°C to +60°C) Non-condensing
Number of Relays	2 (+ 5V DC output, adjustable 1-300 secs)
Relay Timers	Relay 1 = 1-300 secs Relay 2 = 1-300 secs Relay with ON/OFF period controlled latch mode possibility
Relay Contact Ratings	Relay 1 = 2 Amps at 12V DC / 1 Amp at 24V DC Relay 2 = 2 Amps at 12V DC / 1 Amp at 24V DC
Request to Exit	2 (N/O contacts)
Programming	PC running Windows 98, ME 2000, XP, Vista, or Windows 7. TL-2000 software is available on CD-ROM. 1) From COM Port of a Laptop or PC to connector CN6 on the back of unit (RS232 bus, 38,400 bps). 2) Remotely from a PC via an analog modem (max. speed 33,600 bps) via the PSTN or internal PABX.
System Capacity	2000 main telephone numbers or extensions + 2000 2 nd telephone numbers.
Keypad Entry Codes	1 no. per resident = 2000
Trades via Keypad code	4 codes – Group A (Time Profile A) 4 codes – Group B (Time Profile B) 4 codes – Group C (Time Profile C) 4 codes – Group D (Time Profile D)
Keypad code length	3-8 digits, any combination
Trades – button	Yes (Time Profile = Door Panel)
Key override	Via REX inputs. Override device not provided by Aiphone.
Non-volatile memory	Yes
Time, Day, Date, Calendar	Yes
Material	BS316 grade stainless steel.
Dimensions	H 13-3/8" x W 6-1/8" x D 1-3/4"

Default Parameters	
Relay No. 1 activated by:	
Telephone handset code	0
Operation time (sec)	5
Relay No. 2 activated by:	
Telephone handset code	2
Keypad on panel code	4444
Operational time (sec)	5
Operational mode	Controlled access – 24 hrs
Managing Agent keypad code	Off
Installation Company keypad code	Off
Communication time (sec)	60
Handset rings for (sec)	25
Panel rings for (sec)	6
Incorrect keypad entries prior to lockout	Unlimited
Keypad lockout for	Off
Door "Free Access" times	Off
Audio messages	On
Ring tones	OP settings
Busy tones	OP settings
Default Messages	
Message 1:	"Please wait, your call is in progress"
Message 2:	"Your correspondent cannot be reached at this time. Please try again."
Message 3:	"You have dialed incorrectly."
Message 4:	"Please enter."
Message 5:	"Sorry, the line is busy. Please try again later."
Message 6:	"Sorry, no answer. Please try again later."
Message 7:	"The code entered is incorrect."
Message 8:	"The code entered is correct."
Message 9:	"Please dial your correspondent's telephone number."
Message 10:	"Call from door panel."
Message 1-9 must be in the format wav, A-law, mono, 8000Hz. Message 10 must be in wav, linear 8 bits, mono, 8000Hz.	

<http://www.aiphone.com/>

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AIPHONE S.A.S., LISSES-EVRY, FRANCE